

MODULARIZED CIRCUIT DESIGN INFORMATION GENERATING METHOD, MODULARIZED
CIRCUIT DESIGN INFORMATION GENERATING TOOL AND INTEGRATED CIRCUIT
PREPARED WITH CIRCUIT DESIGN INFORMATION GENERATED THEREFROM

ABSTRACT

5 Modularized circuit design information generating tool comprises: a circuit module design database including circuit design information of functional modules of at least two categories, wherein at least one category of said functional modules includes design information of circuit modules of at least two different specifications; an element selection means to select suited circuit modules from said circuit module
10 10 design database according to particular specifications of functional elements to be included into circuit to be designed and to include circuit design information corresponding to said selected circuit modules into circuit design information file of said circuit to be designed; a circuit module connection means to define connections between or among selected circuit modules according to features of each selected
15 15 circuit module; a memory to store circuit design information of all selected circuit modules and information of connections between and/or among the selected circuit modules, both of circuit under design or circuit as designed; and a file converting means to convert circuit design information so obtained into an applicable format. The invention provides a modularized circuit design information generating method using
20 20 the tool and the integrated circuit prepared using the circuit design information so generated.